

Revised Table 1A

Table 1A

Gene No.	cDNA Clone ID	ATCC Deposit No./Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
1	H2CBU83	209889 05/22/98	pBluescript SK-	11	2703	1	2703	157	157	395 405	1	30	31	207
1	H2CBU83	209889 05/22/98	pBluescript SK-	<del>259</del> 262	2709	1	2709	157	157	<del>643</del> 656	1	30	31	51
2	H6EDC19	209324 10/02/97	Uni-ZAP XR	12	760	324	760	389	389	<del>396</del> 406	1	25	26	114
3	HACBD91	209626 02/12/98	Uni-ZAP XR	13	1445	1	1445	117	117	<del>397</del> 407	1	42	43	49
4	HACCI17	203071 07/27/98	Uni-ZAP XR	14	1722	336	1714	461	461	<del>398</del> 408	1	24	25	218
4	HACCI17	203071 07/27/98	Uni-ZAP XR	<del>260</del> 263	1380	12	1380	135	135	<del>644</del> 657	1	24	25	72
5	HAGAQ26	209368 10/16/97	Uni-ZAP XR	15	1333	157	1333	251	251	<del>399</del> 409	1	20	21	62
6	HAGDS35	209299 09/25/97	Uni-ZAP XR	16	751	1	751	45	45	<del>400</del> 410	1	23	24	122
6	HAGDS35	209299 09/25/97	Uni-ZAP XR	<del>264</del> 264	813	1	813	52	52	<del>645</del> 658	1	23	24	118
7	HAGFI62	209782 04/20/98	Uni-ZAP XR	17	1003	368	992	429	429	<del>401</del> 411	1	28	29	91
8	HAHDB16	209626 02/12/98	Uni-ZAP XR	18	796	1	796	93	93	<del>402</del> 412	1	20	21	50
9	HAICP19	209009 04/28/97	Uni-ZAP XR	19	1624	89	1483	128	128	<del>403</del> 413	1	18	19	446

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10	HAIFL18	209852 05/07/98	Uni-ZAP XR	20	879	1	879	274	274	404 <u>414</u>	1	29	30	140
11	HAIJAN23	PTA-322 07/09/99	pCMVSPORT 3.0	21	2849	1	2849	109	109	405 <u>415</u>	1	15	16	563
11	HAIJAN23	PTA-322 07/09/99	pCMVSPORT 3.0	<del>262</del> <u>265</u>	2288	1	2288	120	120	<del>646</del> <u>659</u>	1	15	16	169
12	HAIJBR69	209626 02/12/98	pCMVSPORT 3.0	22	755	1	755	262	262	406 <u>416</u>	1	19	20	53
13	HAMFEI5	203364 10/19/98	pCMVSPORT 3.0	23	4129	1	4129	1495	1495	407 <u>417</u>	1	34	35	421
13	HAMFEI5	203364 10/19/98	pCMVSPORT 3.0	<del>263</del> <u>266</u>	3758	1	3758	226	226	<del>647</del> <u>660</u>	1	23	24	47
14	HAMGR28	209965 06/11/98	pCMVSPORT 3.0	24	1674	47	1674	98	98	408 <u>418</u>	1	18	19	242
14	HAMGR28	209965 06/11/98	pCMVSPORT 3.0	<del>264</del> <u>267</u>	1534	1	1534	40	40	<del>648</del> <u>661</u>	1	18	19	203
15	HAPBS03	209651 03/04/98	Uni-ZAP XR	25	1503	45	1479	252	252	409 <u>419</u>	1	28	29	41
16	HAPNY94	209889 05/22/98	Uni-ZAP XR	26	742	1	742	94	94	410 <u>420</u>	1	29	30	50
17	HAPOM49	209878 05/18/98	Uni-ZAP XR	27	2005	1	2005	251	251	411 <u>421</u>	1	22	23	189
17	HAPOM49	209878 05/18/98	Uni-ZAP XR	<del>265</del> <u>268</u>	2664	1	2664	448	448	<del>649</del> <u>662</u>	1	1	2	123
18	HAPUC89	203570 01/11/99	Uni-ZAP XR	28	1153	1	1153	385	385	412 <u>422</u>	1	25	26	140

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19	HATBR65	209626 02/12/98	Uni-ZAP XR	29	812	1	812	252	252	443 <u>423</u>	1	16	17	64
20	HAUAI83	209626 02/12/98	Uni-ZAP XR	30	910	1	886	253	253	444 <u>424</u>	1	18	19	49
20	HAUAI83	209626 02/12/98	Uni-ZAP XR	<del>266</del> <u>269</u>	1076	1	1076		575	<del>650</del> <u>663</u>	1	10	11	23
21	HBAMB15	209683 03/20/98	pSport1	31	821	330	821	390	390	445 <u>425</u>	1	19	20	59
22	HBGBA69	209878 05/18/98	Uni-ZAP XR	32	981	1	981	124	124	446 <u>426</u>	1	38	39	240
22	HBGBA69	209878 05/18/98	Uni-ZAP XR	<del>267</del> <u>270</u>	943	1	933	62	62	<del>651</del> <u>664</u>	1	38	39	60
23	HBGNU56	PTA-2073 06/09/00	Uni-ZAP XR	33	864	1	864	125	125	447 <u>427</u>	1	21	22	185
23	HBGNU56	PTA-2073 06/09/00	Uni-ZAP XR	<del>268</del> <u>271</u>	941	1	941	79	79	<del>652</del> <u>665</u>	1	21	22	178
23	HBGNU56	PTA-2073 06/09/00	Uni-ZAP XR	<del>269</del> <u>272</u>	988	804	853		2	<del>653</del> <u>666</u>	1	1	2	219
24	HBIAE26	209224 08/28/97	Uni-ZAP XR	34	1038	1	1038	75	75	448 <u>428</u>	1	18	19	39
25	HBINS58	PTA-885 10/28/99	pCMVSPORT 3.0	35	843	1	843	57	57	449 <u>429</u>	1	30	31	174
25	HBINS58	PTA-885 10/28/99	pCMVSPORT 3.0	<del>270</del> <u>273</u>	1566	1	1566	71	71	<del>654</del> <u>667</u>	1	29	30	173
25	HBINS58	PTA-885 10/28/99	pCMVSPORT 3.0	<del>274</del> <u>274</u>	1067	1	1067	100	100	<del>655</del> <u>668</u>	1	29	30	210

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26	HBJFU48	209125 06/19/97	Uni-ZAP XR	36	849	1	849	20	20	420 430	1	39	40	40
27	HBJLC01	209651 03/04/98	Uni-ZAP XR	37	872	1	872	87	87	421 431	1	34	35	46
28	HBNAW17	209242 09/12/97	Uni-ZAP XR	38	601	1	601	77	77	422 432	1	37	38	61
29	HCE2F54	209626 02/12/98	Uni-ZAP XR	39	1276	19	1256	166	166	423 433	1	19	20	319
30	HCE3G69	209878 05/18/98	Uni-ZAP XR	40	2084	1	2084	165	165	424 434	1	19	20	336
30	HCE3G69	209878 05/18/98	Uni-ZAP XR	272 275	2078	1	2078	165	165	656 669	1	19	20	105
31	HCE5F43	209580 01/14/98	Uni-ZAP XR	41	1765	1	1765	113	113	425 435	1	20	21	272
32	HCEFB80	PTA-2069 06/09/00	Uni-ZAP XR	42	2494	1	2494	12	12	426 436	1	35	36	89
32	HCEFB80	PTA-2069 06/09/00	Uni-ZAP XR	273 276	2494	1	2451	5	5	657 670	1	35	36	89
33	HCENK38	209651 03/04/98	Uni-ZAP XR	43	1509	1	1509	10	10	427 437	1	28	29	52
34	HCEWE20	209300 09/25/97	Uni-ZAP XR	44	885	13	885	166	166	428 438	1	18	19	51
35	HCFOM18	209324 10/02/97	pSport1	45	639	1	639	28	28	429 439	1	20	21	63
36	HCGMD59	209627 02/12/98	pCMVSPORT 2.0	46	790	1	780	438	438	440 440	1	30	31	74

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37	HCNDR47	PTA-855 10/18/99	Lambda ZAP II	47	1343	1	1343	21	21	434 <u>441</u>	1	24	25	127
37	HCNDR47	PTA-855 10/18/99	Lambda ZAP II	<del>274</del> 277	845	1	845	124	124	658 <u>671</u>	1	47	48	127
37	HCNDR47	PTA-855 10/18/99	Lambda ZAP II	<del>275</del> <u>278</u>	738	1	738		603	659 <u>672</u>	1	8	9	9
38	HCNSB61	209242 09/12/97	pBluescript	48	712	1	712	218	218	432 <u>442</u>	1	21	22	43
39	HCQCT05	PTA-884 10/28/99	Lambda ZAP II	49	679	1	679		381	433 <u>443</u>	1			2
39	HCQCT05	PTA-884 10/28/99	Lambda ZAP II	<del>276</del> 279	2333	1324	2333		1702	660 <u>673</u>	1			2
40	HCUGM86	PTA-1544 03/21/00	ZAP Express	50	627	1	627	91	91	434 <u>444</u>	1	24	25	44
41	HCUM65	209324 10/02/97	ZAP Express	51	875	331	736	557	557	435 <u>445</u>	1	27	28	47
42	HCWDS72	209852 05/07/98	ZAP Express	52	320	1	320	19	19	436 <u>446</u>	1	17	18	100
43	HCWKC15	209324 10/02/97	ZAP Express	53	710	1	710	37	37	437 <u>447</u>	1	18	19	40
44	HCWUM50	209627 02/12/98	ZAP Express	54	1428	208	1428	270	270	438 <u>448</u>	1	30	31	45
45	HDABR72	209965 06/11/98	pSport1	55	1691	1	1691	33	33	439 <u>449</u>	1	29	30	146
45	HDABR72	209965 06/11/98	pSport1	<del>277</del> <u>280</u>	1746	1	1746	28	28	664 <u>674</u>	1	29	30	146

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46	HDPBA28	PTA-163 06/01/99	pcMVSPORT 3.0	56	3447	197	3447	259	259	440 450	1	32	33	941
46	HDPBA28	PTA-163 06/01/99	pcMVSPORT 3.0	278 281	4909	1	4909	69	69	662 675	1	32	33	941
47	HDPBI32	209853 05/07/98	pcMVSPORT 3.0	57	1513	1	1513	37	37	444 451	1	315	316	316
47	HDPBI32	209853 05/07/98	pcMVSPORT 3.0	279 282	1579	598	1184	103	103	663 676	1	30	31	271
47	HDPBI32	209853 05/07/98	pcMVSPORT 3.0	280 283	587	1	587	51	51	664 677	1	35	36	138
48	HDPBI32	209877 05/18/98	pcMVSPORT 3.0	58	6107	1	6107	131	131	442 452	1	28	29	51
49	HDPCL63	PTA-1544 03/21/00	pcMVSPORT 3.0	59	3037	115	3037	35	35	443 453	1	58	59	267
49	HDPCL63	PTA-1544 03/21/00	pcMVSPORT 3.0	284 284	2921	1	2921	260	260	665 678	1	17	18	157
49	HDPCL63	PTA-1544 03/21/00	pcMVSPORT 3.0	282 285	1259	358	1259		605	666 679	1	6	7	118
50	HDPCL63	PTA-1544 03/21/00	pcMVSPORT 3.0	60	767	76	767	182	182	444 454	1	20	21	53
51	HDPGT01	203027 06/26/98	pcMVSPORT 3.0	61	2687	138	2687	8	8	445 455	1	28	29	87
52	HDPHI51	209125 06/19/97	pcMVSPORT 3.0	62	728	1	728	245	245	446 456	1	30	31	40
53	HDPIM30	209563 12/18/97	pcMVSPORT 3.0	63	1635	308	1633	59	59	447 457	1	59	60	525



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59	HDPSP01	209745 04/07/98	pCMV/Sport 3.0	<del>290</del> <u>293</u>	1752	1	1752	227	227	<del>674</del> <u>687</u>	1	20	21	308
60	HDPSP54	209782 04/20/98	pCMV/Sport 3.0	70	3091	2304	3091	2356	2356	<del>454</del> <u>464</u>	1	18	19	48
60	HDPSP54	209782 04/20/98	pCMV/Sport 3.0	<del>294</del> <u>294</u>	536	1	536	179	179	<del>675</del> <u>688</u>	1	41	42	55
61	HDPUH26	PTA-163 06/01/99	pCMV/Sport 3.0	71	2916	1	2916	90	90	<del>455</del> <u>465</u>	1	18	19	549
62	HDPW68	203331 10/08/98	pCMV/Sport 3.0	72	1748	1	1748	40	40	<del>456</del> <u>466</u>	1	18	19	467
63	HDPWU34	209782 04/20/98	pCMV/Sport 3.0	73	1277	860	1277	117	117	<del>457</del> <u>467</u>	1	23	24	325
63	HDPWU34	209782 04/20/98	pCMV/Sport 3.0	<del>292</del> <u>295</u>	427	1	427	111	111	<del>676</del> <u>689</u>	1	16	17	44
64	HDPXY01	PTA-868 10/26/99	pCMV/Sport 3.0	74	766	1	766	23	23	<del>458</del> <u>468</u>	1	37	38	98
64	HDPXY01	PTA-868 10/26/99	pCMV/Sport 3.0	<del>293</del> <u>296</u>	2409	1	2409	33	33	<del>677</del> <u>690</u>	1	37	38	98
64	HDPXY01	PTA-868 10/26/99	pCMV/Sport 3.0	<del>294</del> <u>297</u>	737	1	423		539	<del>678</del> <u>691</u>	1	9	10	22
64	HDPXY01	PTA-868 10/26/99	pCMV/Sport 3.0	<del>295</del> <u>298</u>	1471	105	1471		1190	<del>679</del> <u>692</u>	1	16	17	25
65	HDTBV77	203070 07/27/98	pCMV/Sport 2.0	75	2181	1	2181	326	326	<del>459</del> <u>469</u>	1	22	23	608
66	HDTDQ23	209965 06/11/98	pCMV/Sport 2.0	76	2207	1	2207	132	132	<del>460</del> <u>470</u>	1	20	21	56



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66	HDTDQ23	209965 06/11/98	pCMVSPORT 2.0	296 <u>299</u>	2227	1	2206	148	148	680 <u>693</u>	1	20	21	108
66	HDTDQ23	209965 06/11/98	pCMVSPORT 2.0	297 <u>300</u>	2214	1	2206	148	148	684 <u>694</u>	1	20	21	73
67	HE2DE47	97923 03/07/97 209071 05/22/97	Uni-ZAP XR	77	3533	2821	3532	808	808	464 <u>471</u>	1	30	31	540
67	HE2DE47	97923 03/07/97 209071 05/22/97	Uni-ZAP XR	298 <u>301</u>	1145	435	1115	515	515	682 <u>695</u>	1	22	23	81
68	HE2NV57	209877 05/18/98	Uni-ZAP XR	78	867	1	867	99	99	462 <u>472</u>	1	36	37	99
69	HE2PH36	209603 01/29/98	Uni-ZAP XR	79	1558	1	1558	28	28	463 <u>473</u>	1	21	22	66
70	HE8DS15	PTA-1544 03/21/00	Uni-ZAP XR	80	2199	1	2199	91	91	464 <u>474</u>	1	24	25	72
71	HE9CO69	209551 12/12/97	Uni-ZAP XR	81	1077	1	1077	161	161	465 <u>475</u>	1	26	27	41
72	HE9HY07	209010 04/28/97 209085 05/29/97	Uni-ZAP XR	82	832	1	832	35	35	466 <u>476</u>	1	26	27	41
73	HE9OW20	203570 01/11/99	Uni-ZAP XR	83	1209	1	1209	129	129	467 <u>477</u>	1	33	34	355

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73	HE9OW20	203570 01/11/99	Uni-ZAP XR	<del>299</del> 302	1165	1	1165	136	136	<del>683</del> 696	1	30	31	313
73	HE9OW20	203570 01/11/99	Uni-ZAP XR	<del>300</del> 303	1160	1	1160	129	129	<del>684</del> 697	1	30	31	134
74	HEEAG23	209745 04/07/98	Uni-ZAP XR	84	1669	25	1280	57	57	<del>468</del> 478	1	18	19	46
75	HEOMQ63	209563 12/18/97	pSport1	85	1336	1	1336	123	123	<del>469</del> 479	1	23	24	47
76	HEPAB80	209423 10/30/97	Uni-ZAP XR	86	799	1	799	73	73	<del>470</del> 480	1	28	29	121
76	HEPAB80	209423 10/30/97	Uni-ZAP XR	<del>304</del> 304	802	1	802	67	67	<del>685</del> 698	1	28	29	122
77	HEFABG18	PTA-1544 03/21/00	Uni-ZAP XR	87	1345	1	1345	53	53	<del>474</del> 481	1	26	27	87
78	HEFABH95	209407 10/23/97	Uni-ZAP XR	88	1347	1	1347	199	199	<del>472</del> 482	1	21	22	116
79	HEFAEF57	209277 09/18/97	Uni-ZAP XR	89	642	1	642	232	232	<del>473</del> 483	1	42	43	86
80	HECEB37	209008 04/28/97 209084 05/29/97	Uni-ZAP XR	90	802	352	802		487	<del>474</del> 484	1			10
81	HEFAD59	209242 09/12/97	Lambda ZAP II	91	470	1	470	44	44	<del>475</del> 485	1	17	18	45
82	HEGAD82	209225 08/28/97	Uni-ZAP XR	92	1881	772	1861	1019	1019	<del>476</del> 486	1	18	19	38

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83	HFJIN69	PTA-846 -10/13/99	pSport1	93	1450	1	1450	45	45	<u>477</u> <u>487</u>	1	39	40	43
83	HFJIN69	PTA-846 10/13/99	pSport1	<del>302</del> 305	559	1	559	52	52	<del>686</del> <u>699</u>	1	39	40	43
83	HFJIN69	PTA-846 10/13/99	pSport1	<del>303</del> <u>306</u>	678	1	678		280	<del>687</del> <u>700</u>	1			2
84	HFJUR10	209277 09/18/97	pSport1	94	541	1	541	50	50	<del>478</del> <u>488</u>	1	22	23	44
85	HEKFG02	209627 02/12/98	Uni-ZAP XR	95	795	1	795	110	110	<del>479</del> <u>489</u>	1	18	19	53
86	HFTBM50	209300 09/25/97	Uni-ZAP XR	96	762	1	740	158	158	<del>480</del> <u>490</u>	1	20	21	34
87	HFTDZ36	209300 09/25/97	Uni-ZAP XR	97	1103	231	1103	547	547	<del>481</del> <u>491</u>	1	22	23	68
88	HFXXBL33	203071 07/27/98	Lambda ZAP II	98	1633	1	1633	152	152	<del>482</del> <u>492</u>	1	24	25	162
89	HFXXHK73	209580 01/14/98	Lambda ZAP II	99	1873	1	1873	247	247	<del>483</del> <u>493</u>	1	36	37	67
90	HFXXJX44	209782 04/20/98	Lambda ZAP II	100	1384	1	1384	98	98	<del>484</del> <u>494</u>	1	18	19	47
91	HFXXKY27	209877 05/18/98	Lambda ZAP II	101	945	1	945	44	44	<del>485</del> <u>495</u>	1	19	20	58
92	HGBHI35	209423 10/30/97	Uni-ZAP XR	102	1437	71	1276	87	87	<del>486</del> <u>496</u>	1	16	17	292
93	HGLAF75	209407 10/23/97	Uni-ZAP XR	103	776	1	776	231	231	<del>487</del> <u>497</u>	1	28	29	121

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
94	HHBCS39	PTA-848 10/13/99	PCMV/Sport 1	104	2895	1	2895	104	104	488 498	1	26	27	166
94	HHBCS39	PTA-848 10/13/99	PCMV/Sport 1	<del>304</del> 307	1042	1	1042	150	150	<del>688</del> 701	1	26	27	166
94	HHBCS39	PTA-848 10/13/99	PCMV/Sport 1	<del>305</del> 308	1556	171	1556		1260	<del>689</del> 702	1	16	17	26
95	HHBAA08	209853 05/07/98	PCMV/Sport 3.0	105	2150	1	2150	88	88	<del>489</del> 492	1	38	39	79
95	HHBAA08	209853 05/07/98	PCMV/Sport 3.0	<del>306</del> 309	615	1	615		311	<del>690</del> 703	1	13	14	20
96	HHENV10	209368 10/16/97	PCMV/Sport 3.0	106	1155	1	1155	143	143	<del>490</del> 500	1	27	28	50
97	HHFJ48	209627 02/12/98	Uni-ZAP XR	107	2566	1	2566	65	65	<del>491</del> 501	1	21	22	106
98	HHFH59	97975 04/04/97 209081 05/29/97	Uni-ZAP XR	108	661	1	661	192	192	<del>492</del> 502	1	29	30	112
99	HHGBO91	209242 09/12/97	Lambda ZAP II	109	715	1	715	140	140	<del>493</del> 503	1	28	29	49
100	HHGCG53	97899 02/26/97 209045 05/15/97	Lambda ZAP II	110	407	1	407	230	230	<del>494</del> 504	1	33	34	44

Gene No.	cDNA Clone ID	ATCC Deposit No. Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
101	HHGCM76	97958 03/13/97 209072 05/22/97	Lambda ZAP II	111	711	8	711	270	270	<del>495</del> 505	1	22	23	89
101	HHGCM76	97958 03/13/97 209072 05/22/97	Lambda ZAP II	<del>307</del> 310	711	8	711	270	270	<del>694</del> 704	1			11
102	HHGCQ54	209300 09/25/97	Lambda ZAP II	112	875	1	875	62	62	<del>496</del> 506	1	15	16	51
103	HHPEN62	209746 04/07/98	Uni-ZAP XR	113	2152	141	2152	183	183	<del>497</del> 507	1	27	28	508
104	HUABB94	209119 06/12/97	pBluescript SK-	114	1555	1	1555	74	74	<del>498</del> 508	1	28	29	77
105	HUACG02	209215 08/21/97	pBluescript SK-	115	575	1	575	66	66	<del>499</del> 509	1	22	23	108
105	HUACG02	209215 08/21/97	pBluescript SK-	<del>308</del> 311	553	1	553	47	47	<del>692</del> 705	1	23	24	108
106	HUACG30	PTA-843 10/13/99	pBluescript SK-	116	1532	1	1532	291	291	<del>500</del> 510	1	27	28	44
106	HUACG30	PTA-843 10/13/99	pBluescript SK-	<del>309</del> 312	1614	1020	1614		50	<del>693</del> 706	1	1	2	130
106	HUACG30	PTA-843 10/13/99	pBluescript SK-	<del>310</del> 313	1087	491	1087		350	<del>694</del> 707	1	1	2	122
107	HUBCY35	209877 05/18/98	pBluescript SK-	117	1559	93	1272	232	232	<del>504</del> 511	1	23	24	327

Gene No.	cDNA Clone ID	ATCC Deposit No. Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
108	HJPAD75	209641 02/25/98	Uni-ZAP XR	118	1231	1	1231	60	60	<del>502</del> <u>512</u>	1	29	30	91
109	HKABZ65	209683 03/20/98	pCMVSPORT 2.0	119	1189	1	1189	77	77	<del>503</del> <u>513</u>	1	17	18	243
109	HKABZ65	209683 03/20/98	pCMVSPORT 2.0	<del>344</del> <u>314</u>	1191	1	1191	69	69	<del>695</del> <u>708</u>	1	17	18	243
110	HKACD58	209346 10/09/97	pCMVSPORT 2.0	120	3153	1	3153	38	38	<del>504</del> <u>514</u>	1	25	26	301
110	HKACD58	209346 10/09/97	pCMVSPORT 2.0	<del>342</del> <u>315</u>	1626	1	1626	35	35	<del>696</del> <u>709</u>	1	25	26	154
111	HKA EV06	209627 02/12/98	pCMVSPORT 2.0	121	2496	1	2496	501	501	<del>505</del> <u>515</u>	1	30	31	438
111	HKA EV06	209627 02/12/98	pCMVSPORT 2.0	<del>343</del> <u>316</u>	2351	1	2351	197	197	<del>697</del> <u>710</u>	1	29	30	57
112	HKAFT66	PTA-849 10/13/99	pCMVSPORT 2.0	122	1001	270	1001	508	508	<del>506</del> <u>516</u>	1	41	42	107
112	HKAFT66	PTA-849 10/13/99	pCMVSPORT 2.0	<del>344</del> <u>317</u>	1001	270	1001	508	508	<del>698</del> <u>711</u>	1	41	42	107
112	HKAFT66	PTA-849 10/13/99	pCMVSPORT 2.0	<del>345</del> <u>318</u>	669	1	669	234	234	<del>699</del> <u>712</u>	1			37
113	HKBIE57	209651 03/04/98	pCMVSPORT 1	123	1142	1038	1142	178	178	<del>507</del> <u>517</u>	1	30	31	234
113	HKBIE57	209651 03/04/98	pCMVSPORT 1	<del>346</del> <u>319</u>	417	1	417	30	30	<del>709</del> <u>713</u>	1	26	27	46
114	HKFBC53	209782 04/20/98	ZAP Express	124	2238	1	2238	64	64	<del>508</del> <u>518</u>	1	15	16	470

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
114	HKFBC53	209782 04/20/98	ZAP Express	<del>317</del> <u>320</u>	1949	1	1906	41	41	<del>704</del> <u>714</u>	1	18	19	442
114	HKFBC53	209782 04/20/98	ZAP Express	<del>318</del> <u>321</u>	1487	1	1487		3	<del>702</del> <u>715</u>	1	1	2	309
114	HKFBC53	209782 04/20/98	ZAP Express	<del>319</del> <u>322</u>	1525	1	1525		3	<del>703</del> <u>716</u>	1	1	2	243
115	HKGDL36	209877 05/18/98	pSport1	125	1052	1	1052	53	53	<del>509</del> <u>519</u>	1	33	34	260
115	HKGDL36	209877 05/18/98	pSport1	<del>320</del> <u>323</u>	1050	1	1050	55	55	<del>704</del> <u>717</u>	1	33	34	148
116	HKISB57	209603 01/29/98	pBluescript	126	1492	1	1439	130	130	<del>510</del> <u>520</u>	1	19	20	95
117	HKMMW74	209463 11/14/97	pBluescript	127	1794	1	1794	202	202	<del>511</del> <u>521</u>	1	21	22	41
118	HLDNA86	209277 09/18/97	PCMVSPort 3.0	128	1346	1	1346	238	238	<del>512</del> <u>522</u>	1	34	35	163
118	HLDNA86	209277 09/18/97	PCMVSPort 3.0	<del>321</del> <u>324</u>	720	1	717	45	45	<del>705</del> <u>718</u>	1	31	32	92
119	HLDON23	209628 02/12/98	PCMVSPort 3.0	129	1262	208	1256	368	368	<del>513</del> <u>523</u>	1	20	21	113
120	HLDQR62	203027 06/26/98	PCMVSPort 3.0	130	2572	427	2572	520	520	<del>514</del> <u>524</u>	1	18	19	161
121	HLDQU79	203071 07/27/98	PCMVSPort 3.0	131	1488	1	1488	99	99	<del>515</del> <u>525</u>	1	23	24	348
122	HLHAL68	209746 04/07/98	Uni-ZAP XR	132	704	1	704	30	30	<del>516</del> <u>526</u>	1	21	22	44

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
123	HLIBD68	203071 07/27/98	pCMVSPORT 1	133	1022	1	1022	186	186	<del>547</del> 527	1	35	36	50
124	HLJCQ90	203517 12/10/98	pCMVSPORT 1	134	1766	1	1766	249	249	<del>548</del> 528	1	29	30	206
125	HLQDR48	209603 01/29/98	Lambda ZAP II	135	989	1	989	10	10	<del>549</del> 529	1	21	22	190
125	HLQDR48	209603 01/29/98	Lambda ZAP II	<del>322</del> 325	990	1	990	3	3	<del>706</del> 719	1	21	22	190
126	HLTHR66	209782 04/20/98	Uni-ZAP XR	136	2286	1	2286	5	5	<del>520</del> 530	1	34	35	75
127	HLTTP94	PTA-2076 06/09/00	Uni-ZAP XR	137	1240	1	1170	226	226	<del>524</del> 531	1	26	27	97
127	HLTTP94	PTA-2076 06/09/00	Uni-ZAP XR	<del>323</del> 326	647	1	647	226	226	<del>707</del> 720	1	26	27	65
127	HLTTP94	PTA-2076 06/09/00	Uni-ZAP XR	<del>324</del> 327	1321	870	1209		3	<del>708</del> 721	1	1	2	299
128	HLWAA17	209626 02/12/98	pCMVSPORT 3.0	138	997	246	997	436	436	<del>522</del> 532	1	15	16	187
129	HLWBK05	203331 10/08/98	pCMVSPORT 3.0	139	2383	157	2383	280	280	<del>523</del> 533	1	34	35	298
130	HLWB Y76	203517 12/10/98	pCMVSPORT 3.0	140	2081	1	2081	432	432	<del>524</del> 534	1	27	28	232
131	HLWCF05	209126 06/19/97	pCMVSPORT 3.0	141	646	1	646	155	155	<del>525</del> 535	1	36	37	58
132	HL YAC95	203071 07/27/98	pSPORT1	142	312	1	312	92	92	<del>526</del> 536	1	16	17	46



Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
133	HL YAN59	209346 10/09/97	pSport1	143	770	1	770	383	383	<del>527</del> <u>537</u>	1	40	41	77
133	HL YAN59	209346 10/09/97	pSport1	<del>325</del> <u>328</u>	729	1	729	254	254	<del>709</del> <u>722</u>	1	39	40	54
134	HL YAP91	209346 10/09/97	pSport1	144	1276	1	1276	280	280	<del>528</del> <u>538</u>	1	29	30	83
135	HL YES38	209853 05/07/98	pSport1	145	1223	1	1223	69	69	<del>529</del> <u>539</u>	1	22	23	73
136	HMADK33	209368 10/16/97	Uni-ZAP XR	146	864	1	864	161	161	<del>530</del> <u>540</u>	1	24	25	152
137	HMADS41	209563 12/18/97	Uni-ZAP XR	147	1267	1	1267	267	267	<del>534</del> <u>541</u>	1	21	22	88
138	HMAMI15	PTA-2075 06/09/00	Uni-ZAP XR	148	1258	1	1258	4	4	<del>532</del> <u>542</u>	1	26	27	340
138	HMAMI15	PTA-2075 06/09/00	Uni-ZAP XR	<del>326</del> <u>329</u>	1084	1	1084	3	3	<del>710</del> <u>723</u>	1	26	27	306
139	HMC FY13	209628 02/12/98	Uni-ZAP XR	149	883	1	883	175	175	<del>533</del> <u>543</u>	1	27	28	64
140	HMDAB56	209368 10/16/97	Uni-ZAP XR	150	1465	1	1465	273	273	<del>534</del> <u>544</u>	1	32	33	44
141	HMEED18	209368 10/16/97	Lambda ZAP II	151	1369	28	1369	34	34	<del>535</del> <u>545</u>	1	34	35	221
142	HMEFT54	209243 09/12/97	Lambda ZAP II	152	596	1	596	332	332	<del>536</del> <u>546</u>	1	19	20	39
143	HMEGF92	209243 09/12/97	Lambda ZAP II	153	629	1	611	92	92	<del>537</del> <u>547</u>	1	27	28	62

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
144	HMSDL37	PTA-842 10/13/99	Uni-ZAP XR	154	2497	1	2497	531	531	<del>538</del> 548	1	26	27	64
144	HMSDL37	PTA-842 10/13/99	Uni-ZAP XR	<del>327</del> 330	1776	1	1776	528	528	<del>741</del> 724	1	26	27	64
144	HMSDL37	PTA-842 10/13/99	Uni-ZAP XR	<del>328</del> 331	784	1	784	565	565	<del>742</del> 725	1	6	7	26
144	HMSDL37	PTA-842 10/13/99	Uni-ZAP XR	<del>329</del> 332	699	275	427		2	<del>743</del> 726	1	1	2	50
145	HMSFI26	209368 10/16/97	Uni-ZAP XR	155	1217	1	1217	120	120	<del>539</del> 549	1	34	35	62
146	HMSJU68	209076 05/22/97	Uni-ZAP XR	156	1123	4	1123	272	272	<del>540</del> 550	1	31	32	49
147	HMTBI36	PTA-322 07/09/99	pCMVSPORT 3.0	157	3388	1	3388	256	256	<del>544</del> 551	1	18	19	957
147	HMTBI36	PTA-322 07/09/99	pCMVSPORT 3.0	<del>330</del> 333	3546	1	3363	255	255	<del>714</del> 727	1	18	19	957
148	HMVBS81	209628 02/12/98	pSport1	158	529	1	529	34	34	<del>542</del> 552	1	43	44	139
149	HMWDC28	209126 06/19/97	Uni-ZAP XR	159	1146	105	754	124	124	<del>543</del> 553	1	30	31	42
150	HMWFT65	209368 10/16/97	Uni-ZAP XR	160	1346	1	1346	72	72	<del>544</del> 554	1	27	28	121
151	HNEEE24	209346 10/09/97	Uni-ZAP XR	161	1079	1	1079	213	213	<del>545</del> 555	1	21	22	71
152	HNFC43	203027 06/26/98	Uni-ZAP XR	162	2103	209	2058	488	488	<del>546</del> 556	1	12	13	68

Gene No.	cDNA Clone ID	ATCC Deposit No.:Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
153	HNFGE20	203071 07/27/98	Uni-ZAP XR	163	1370	38	1370	206	206	<u>547</u> <u>557</u>	1	45	46	143
154	HNFY77	209628 02/12/98	pBluescript	164	1212	28	1212	228	228	<u>548</u> <u>558</u>	1	34	35	233
155	HNFJF07	209463 11/14/97	Uni-ZAP XR	165	616	1	616	86	86	<u>549</u> <u>559</u>	1	21	22	66
156	HNGDJ72	209299 09/25/97	Uni-ZAP XR	166	524	1	524	185	185	<u>550</u> <u>560</u>	1	19	20	113
157	HNGEP09	209197 08/08/97	Uni-ZAP XR	167	1042	1	1042	72	72	<u>551</u> <u>561</u>	1	15	16	82
158	HNGFR31	209407 10/23/97	Uni-ZAP XR	168	536	1	536	108	108	<u>552</u> <u>562</u>	1	23	24	90
159	HNGJJ31	209236 09/04/97	Uni-ZAP XR	169	796	1	796	135	135	<u>553</u> <u>563</u>	1	16	17	36
160	HNGJE50	209368 10/16/97	Uni-ZAP XR	170	1037	1	1037	77	77	<u>554</u> <u>564</u>	1	36	37	46
161	HNGND37	203648 02/09/99	Uni-ZAP XR	171	841	1	841	388	388	<u>555</u> <u>565</u>	1	27	28	82
162	HNGOI12	PTA-847 10/13/99	Uni-ZAP XR	172	2128	1	2128	27	27	<u>556</u> <u>566</u>	1	34	35	57
162	HNGOI12	PTA-847 10/13/99	Uni-ZAP XR	<u>331</u> <u>334</u>	774	1	774	27	27	<u>745</u> <u>728</u>	1	34	35	57
162	HNGOI12	PTA-847 10/13/99	Uni-ZAP XR	<u>332</u> <u>335</u>	1396	1	1396		596	<u>746</u> <u>729</u>	1	25	26	93
163	HNHU93	209628 02/12/98	Uni-ZAP XR	173	748	1	748	57	57	<u>557</u> <u>567</u>	1	34	35	81

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164	HNHFM14	209683 03/20/98	Uni-ZAP XR	174	297	1	297	38	38	<del>558</del> <u>568</u>	1	28	29	80
165	HNHFR04	209683 03/20/98	Uni-ZAP XR	175	1681	1	1681	71	71	<del>559</del> <u>569</u>	1	21	22	78
166	HNHNB29	PTA-623 09/02/99	Uni-ZAP XR	176	1894	1	1894	40	40	<del>560</del> <u>570</u>	1	20	21	53
167	HNHOD46	PTA-1543 03/21/00	Uni-ZAP XR	177	1355	1	1355	12	12	<del>561</del> <u>571</u>	1	20	21	80
168	HNTBI26	209563 12/18/97	pCMVSPORT 3.0	178	1382	1	1382	28	28	<del>562</del> <u>572</u>	1	35	36	320
168	HNTBI26	209563 12/18/97	pCMVSPORT 3.0	<del>333</del> <u>336</u>	1397	1	1397	32	32	<del>747</del> <u>730</u>	1	35	36	172
168	HNTBI26	209563 12/18/97	pCMVSPORT 3.0	334	1368	1	1368	16	16	<del>748</del> <u>731</u>	1	35	36	131
169	HNTBI27	209324 10/02/97	pCMVSPORT 3.0	179	791	71	791	100	100	<del>563</del> <u>573</u>	1	23	24	115
170	HNTCE26	PTA-1544 03/21/00	pCMVSPORT 3.0	180	2163	830	2163	111	111	<del>564</del> <u>574</u>	1	30	31	402
170	HNTCE26	PTA-1544 03/21/00	pCMVSPORT 3.0	<del>335</del> <u>338</u>	1763	1	1763	57	57	<del>749</del> <u>732</u>	1	28	29	121
171	HNTNC20	209782 04/20/98	pSport1	181	1979	1	1979	270	270	<del>565</del> <u>575</u>	1	19	20	218
172	HNTNI01	209782 04/20/98	pSport1	182	2087	1	2087	307	307	<del>566</del> <u>576</u>	1	33	34	76
172	HNTNI01	209782 04/20/98	pSport1	<del>336</del> <u>339</u>	1274	1	1114	306	306	<del>720</del> <u>733</u>	1	33	34	49

Gene No.	cDNA Clone ID	ATCC Deposit No./Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
173	HNTSY18	PTA-855 10/18/99	pSport1	183	1811	265	1783	257	257	<u>567</u> <u>577</u>	1	31	32	89
173	HNTSY18	PTA-855 10/18/99	pSport1	<del>337</del> <u>340</u>	847	742	819		420	<del>721</del> <u>734</u>	1	1	2	79
174	HOCNF19	203570 01/11/99	pSport1	184	1118	1	1118	166	166	<del>568</del> <u>578</u>	1	20	21	87
175	HODDF13	203069 07/27/98	Uni-ZAP XR	185	830	1	830	46	46	<del>569</del> <u>579</u>	1	23	24	41
176	HODDN92	209012 04/28/97 209089 06/05/97	Uni-ZAP XR	186	1939	294	1939		434	<del>570</del> <u>580</u>	1	26	27	35
177	HODEJ32	203570 01/11/99	Uni-ZAP XR	187	739	1	739	358	358	<del>574</del> <u>581</u>	1	21	22	43
178	HOFMQ33	PTA-848 10/13/99	PCMVSPORT 2.0	188	2410	1	2410	49	49	<del>572</del> <u>582</u>	1	24	25	484
178	HOFMQ33	PTA-848 10/13/99	PCMVSPORT 2.0	<del>338</del> <u>341</u>	2409	1	2409	48	48	<del>722</del> <u>735</u>	1	24	25	484
178	HOFMQ33	PTA-848 10/13/99	PCMVSPORT 2.0	<del>339</del> <u>342</u>	876	1	876	78	78	<del>723</del> <u>736</u>	1	24	25	266
178	HOFMQ33	PTA-848 10/13/99	PCMVSPORT 2.0	<del>340</del> <u>343</u>	1586	1	1586		724	<del>724</del> <u>737</u>	1			5
178	HOFMQ33	PTA-848 10/13/99	PCMVSPORT 2.0	<del>344</del> <u>344</u>	1011	873	1011		123	<del>725</del> <u>738</u>	1	1	2	84
179	HOHBY44	PTA-867 10/26/99	PCMVSPORT 2.0	189	3369	1	3369	170	170	<del>573</del> <u>583</u>	1	24	25	184

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
179	HOHBY44	PTA-867 10/26/99	pCMVSPORT 2.0	342 <u>345</u>	1063	533	1063		2	726 <u>739</u>	1	1	2	77
179	HOHBY44	PTA-867 10/26/99	pCMVSPORT 2.0	343 <u>346</u>	1178	1	1178		54	727 <u>740</u>	1	1	2	84
180	HOQBJ82	PTA-845 10/13/99	Uni-ZAP XR	190	3530	1	3530	361	361	574 <u>584</u>	1	21	22	164
180	HOQBJ82	PTA-845 10/13/99	Uni-ZAP XR	344 <u>347</u>	585	64	585	102	102	728 <u>741</u>	1	24	25	161
180	HOQBJ82	PTA-845 10/13/99	Uni-ZAP XR	345 <u>348</u>	4344	1339	1942		55	729 <u>742</u>	1	1	2	325
181	HOSBY40	209551 12/12/97	Uni-ZAP XR	191	1145	1	1145	89	89	575 <u>585</u>	1	30	31	56
182	HOSDI25	209423 10/30/97	Uni-ZAP XR	192	2214	985	2214	1076	1076	576 <u>586</u>	1	18	19	40
182	HOSDI25	209423 10/30/97	Uni-ZAP XR	346 <u>349</u>	1258	1	1258	146	146	730 <u>743</u>	1	18	19	40
183	HOUCC17	209086 05/29/97	Uni-ZAP XR	193	4712	1	4693	508	508	577 <u>587</u>	1	51	52	967
184	HPEAD79	209244 09/12/97	Uni-ZAP XR	194	813	1	813	51	51	578 <u>588</u>	1	15	16	41
185	HPIBO15	209563 12/18/97	Uni-ZAP XR	195	1739	1	1739	128	128	579 <u>589</u>	1	18	19	211
185	HPIBO15	209563 12/18/97	Uni-ZAP XR	347 <u>350</u>	1739	1	1739	127	127	734 <u>744</u>	1	18	19	173
186	HPJBI33	209889 05/22/98	Uni-ZAP XR	196	1677	1	1677	236	236	580 <u>590</u>	1	31	32	53

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
187	HPJBK12	PTA-855 10/18/99	Uni-ZAP XR	197	2648	1	2648	126	126	<u>584</u> <u>591</u>	1	18	19	48
187	HPJBK12	PTA-855 10/18/99	Uni-ZAP XR	348 <u>351</u>	538	1	538	119	119	<u>732</u> <u>745</u>	1	18	19	48
187	HPJBK12	PTA-855 10/18/99	Uni-ZAP XR	349 <u>352</u>	1346	1	1346		969	<u>733</u> <u>746</u>	1			10
187	HPJBK12	PTA-855 10/18/99	Uni-ZAP XR	350 <u>353</u>	912	1	912	509	509	<u>734</u> <u>747</u>	1			4
188	HPJCL22	PTA-2071 06/09/00	Uni-ZAP XR	198	3107	1	3107	86	86	<u>582</u> <u>592</u>	1	35	36	80
188	HPJCL22	PTA-2071 06/09/00	Uni-ZAP XR	354 <u>355</u>	995	58	995	136	136	<u>735</u> <u>748</u>	1	35	36	80
188	HPJCL22	PTA-2071 06/09/00	Uni-ZAP XR	352 <u>355</u>	751	183	751		232	<u>736</u> <u>749</u>	1	1	2	145
189	HPMDK28	209628 02/12/98	Uni-ZAP XR	199	1084	1	1084	64	64	<u>583</u> <u>593</u>	1	25	26	201
189	HPMDK28	209628 02/12/98	Uni-ZAP XR	353 <u>356</u>	1177	1	1083	58	58	<u>737</u> <u>750</u>	1	25	26	201
190	HPRAL78	209195 08/01/97	Uni-ZAP XR	200	2072	1	2072	62	62	<u>584</u> <u>594</u>	1	29	30	420
190	HPRAL78	209195 08/01/97	Uni-ZAP XR	354 <u>357</u>	1775	1038	1775	70	70	<u>738</u> <u>751</u>	1	29	30	392
190	HPRAL78	209195 08/01/97	Uni-ZAP XR	355 <u>358</u>	866	128	866	148	148	<u>739</u> <u>752</u>	1	42	43	63
191	HRABA80	209889 05/22/98	pCMVSPORT 3.0	201	1251	1	1251	144	144	<u>585</u> <u>595</u>	1	27	28	102

Gene No.	cDNA Clone ID	ATCC Deposit No.:Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
191	HRABA80	209889 05/22/98	pCMVSPORT 3.0	<u>356</u> <u>357</u>	1237	1	1237	130	130	<u>740</u> <u>753</u>	1	27	28	102
192	HRACD15	209852 05/07/98	pCMVSPORT 3.0	202	1539	24	1539	252	252	<u>586</u> <u>596</u>	1	40	41	53
192	HRACD15	209852 05/07/98	pCMVSPORT 3.0	<u>357</u> <u>360</u>	1681	24	1453	252	252	<u>744</u> <u>754</u>	1	40	41	53
193	HRACJ35	209878 05/18/98	pCMVSPORT 3.0	203	2077	1	2077	132	132	<u>587</u> <u>597</u>	1	24	25	472
193	HRACJ35	209878 05/18/98	pCMVSPORT 3.0	<u>358</u> <u>361</u>	1863	8	1863	99	99	<u>742</u> <u>755</u>	1	24	25	472
193	HRACJ35	209878 05/18/98	pCMVSPORT 3.0	<u>359</u> <u>362</u>	1134	1	1134		1	<u>743</u> <u>756</u>	1	1	2	178
194	HRGBL78	PTA-841 10/13/99	Uni-ZAP XR	204	2108	1	2108	30	30	<u>588</u> <u>598</u>	1	27	28	359
194	HRGBL78	PTA-841 10/13/99	Uni-ZAP XR	<u>360</u> <u>363</u>	626	8	626	30	30	<u>744</u> <u>757</u>	1	38	39	199
194	HRGBL78	PTA-841 10/13/99	Uni-ZAP XR	<u>364</u> <u>364</u>	152	1	152		11	<u>745</u> <u>758</u>	1			2
194	HRGBL78	PTA-841 10/13/99	Uni-ZAP XR	<u>362</u> <u>365</u>	1760	127	1760		1048	<u>746</u> <u>759</u>	1	10	11	32
195	HROAJ39	PTA-2069 06/09/00	Uni-ZAP XR	205	1146	224	1146	10	10	<u>589</u> <u>599</u>	1	30	31	379
195	HROAJ39	PTA-2069 06/09/00	Uni-ZAP XR	<u>363</u> <u>366</u>	880	1	880	31	31	<u>747</u> <u>760</u>	1	15	16	283
195	HROAJ39	PTA-2069 06/09/00	Uni-ZAP XR	<u>364</u> <u>367</u>	1106	224	1106	247	247	<u>748</u> <u>761</u>	1	15	16	286



Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
196	HROBD68	203499 12/01/98	Uni-ZAP XR	206	1998	1	1998	122	122	590 600	1	22	23	48
197	HSAWD74	209126 06/19/97	Uni-ZAP XR	207	970	106	970	142	142	591 601	1	26	27	142
197	HSAWD74	209126 06/19/97	Uni-ZAP XR	365 368	646	1	646	122	122	749 762	1	29	30	45
198	HSDEK49	209603 01/29/98	Uni-ZAP XR	208	1782	1	1782	60	60	592 602	1	19	20	399
198	HSDEK49	209603 01/29/98	Uni-ZAP XR	366 369	1590	96	1590	126	126	750 763	1	21	22	305
199	HSDFJ26	203648 02/09/99	Uni-ZAP XR	209	1205	23	1179	99	99	593 603	1	20	21	223
199	HSDFJ26	203648 02/09/99	Uni-ZAP XR	367 370	1179	1	1179	99	99	751 764	1	19	20	72
200	HSDDJA15	203081 07/30/98	Uni-ZAP XR	210	1443	1	1443	247	247	594 604	1	20	21	152
201	HSDDJM31	209148 07/17/97	Uni-ZAP XR	211	561	1	561	351	351	595 605	1	25	26	40
202	HSDSB09	209145 07/17/97	pBluescript	212	809	1	809	16	16	596 606	1	17	18	135
202	HSDSB09	209145 07/17/97	pBluescript	368 371	819	1	819	22	22	752 765	1	17	18	121
203	HSHAX21	209853 05/07/98	Uni-ZAP XR	213	1986	1	1986	177	177	597 607	1	13	14	72
204	HSDDJ81	209551 12/12/97	Uni-ZAP XR	214	1303	1	1303	8	8	598 608	1	22	23	58

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205	HSJBQ79	97924 03/07/97	Uni-ZAP XR	215	587	1	587	41	41	599 609	1	23	24	182
205	HSJBQ79	97924 03/07/97	Uni-ZAP XR	369 372	1507	164	608	57	57	753 766	1	19	20	327
205	HSJBQ79	97924 03/07/97	Uni-ZAP XR	370 373	586	4	586	35	35	754 767	1	23	24	184
206	HSKDA27	PTA-322 07/09/99	Uni-ZAP XR	216	4412	1	4412	786	786	600 610	1	24	25	950
206	HSKDA27	PTA-322 07/09/99	Uni-ZAP XR	374 374	1792	134	1792	127	127	755 768	1	21	22	509
206	HSKDA27	PTA-322 07/09/99	Uni-ZAP XR	372 375	1673	1	1673	12	12	756 769	1	21	22	554
207	HSKGN81	97977 04/04/97 209082 05/29/97	pBluescript	217	1907	151	1432	353	353	604 611	1	23	24	260
207	HSKGN81	97977 04/04/97 209082 05/29/97	pBluescript	373 376	2084	335	2084	537	537	757 770	1	18	19	23
208	HSKNB56	209346 10/09/97	pBluescript	218	1334	449	1334	484	484	602 612	1	25	26	85
209	HSNAD72	209139 07/03/97	Uni-ZAP XR	219	861	1	861	220	220	603 613	1	19	20	35
210	HSNMC45	209300 09/25/97	Uni-ZAP XR	220	587	1	587	225	225	604 614	1	18	19	55

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210	HSNMC45	209300 09/25/97	Uni-ZAP XR	<del>374</del> <u>377</u>	720	1	720	232	232	<del>758</del> <u>771</u>	1	17	18	25
211	HSQFP66	209126 06/19/97	Uni-ZAP XR	221	477	1	477	96	96	<del>605</del> <u>615</u>	1	32	33	78
212	HSRFZ57	PTA-622 09/02/99	Uni-ZAP XR	222	1930	1	1925	82	82	<del>606</del> <u>616</u>	1	18	19	41
213	HSUBW09	209007 04/28/97 209083 05/29/97	Uni-ZAP XR	223	1021	1	1021	153	153	<del>607</del> <u>617</u>	1	31	32	56
214	HSVBU91	209603 01/29/98	Uni-ZAP XR	224	727	1	727	256	256	<del>608</del> <u>618</u>	1	18	19	90
215	HSXG147	PTA-499 08/11/99	Uni-ZAP XR	225	1256	1	1256	87	87	<del>609</del> <u>619</u>	1	21	22	57
216	HSYAZ63	PTA-163 06/01/99	pCMVSPORT 3.0	226	3466	1655	3347	448	448	<del>610</del> <u>620</u>	1	30	31	434
216	HSYAZ63	PTA-163 06/01/99	pCMVSPORT 3.0	<del>375</del> <u>378</u>	1707	1	1707	215	215	<del>759</del> <u>772</u>	1	21	22	40
217	HSYBG37	209463 11/14/97	pCMVSPORT 3.0	227	1238	1	1238	47	47	<del>611</del> <u>621</u>	1	24	25	305
217	HSYBG37	209463 11/14/97	pCMVSPORT 3.0	<del>376</del> <u>379</u>	1239	1	1239	48	48	<del>760</del> <u>773</u>	1	24	25	305
218	HTADW91	PTA-1543 03/21/00	Uni-ZAP XR	228	1481	54	1481	59	59	<del>612</del> <u>622</u>	1	32	33	364
219	HTAEE28	PTA-843 10/13/99	Uni-ZAP XR	229	1341	1	1341	319	319	<del>613</del> <u>623</u>	1	33	34	282

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219	HTAEE28	PTA-843 10/13/99	Uni-ZAP XR	<del>377</del> <u>380</u>	738	159	738	372	372	<del>764</del> <u>774</u>	1	33	34	122
219	HTAEE28	PTA-843 10/13/99	Uni-ZAP XR	<del>378</del> <u>381</u>	935	1	807		124	<del>762</del> <u>775</u>	1	1	2	216
220	HTDAF28	97974 04/04/97 209080 05/29/97	pSport1	230	912	1	912	38	38	<del>614</del> <u>624</u>	1	22	23	87
221	HTECC05	209877 05/18/98	Uni-ZAP XR	231	839	1	839	13	13	<del>615</del> <u>625</u>	1	15	16	178
221	HTECC05	209877 05/18/98	Uni-ZAP XR	<del>379</del> <u>382</u>	871	1	871	21	21	<del>763</del> <u>776</u>	1	15	16	127
221	HTECC05	209877 05/18/98	Uni-ZAP XR	<del>380</del> <u>383</u>	881	1	881	27	27	<del>764</del> <u>777</u>	1	15	16	164
222	HTEEB42	97922 03/07/97 209070 05/22/97	Uni-ZAP XR	232	1022	20	1022	59	59	<del>616</del> <u>626</u>	1	22	23	298
223	HTEFU65	209324 10/02/97	Uni-ZAP XR	233	1028	1	1028	231	231	<del>617</del> <u>627</u>	1	24	25	46
224	HTEGA76	97958 03/13/97 209072 05/22/97	Uni-ZAP XR	234	450	1	450	90	90	<del>618</del> <u>628</u>	1	43	44	65

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225	HTEIN13	97958 03/13/97 209072 05/22/97	Uni-ZAP XR	235	1094	1	1094	156	156	<del>619</del> <u>620</u>	1	15	16	208
225	HTEIN13	97958 03/13/97 209072 05/22/97	Uni-ZAP XR	<del>384</del> <u>384</u>	1147	1	1147	163	163	<del>765</del> <u>778</u>	1	15	16	159
225	HTEIN13	97958 03/13/97 209072 05/22/97	Uni-ZAP XR	<del>382</del> <u>385</u>	1134	1	1134	155	155	<del>766</del> <u>779</u>	1	19	20	71
226	HTELP17	203648 02/09/99	Uni-ZAP XR	236	808	1	808	164	164	<del>620</del> <u>630</u>	1	20	21	44
227	HTELS08	PTA-1544 03/21/00	Uni-ZAP XR	237	1898	1	1898	15	15	<del>624</del> <u>631</u>	1	17	18	158
228	HTLEP53	209641 02/25/98	Uni-ZAP XR	238	818	1	818	73	73	<del>622</del> <u>632</u>	1	43	44	101
229	HTOIY21	209852 05/07/98	Uni-ZAP XR	239	1558	1	1558	91	91	<del>623</del> <u>633</u>	1	14	15	231
230	HTPCS72	209423 10/30/97	Uni-ZAP XR	240	3435	2141	3431	2365	2365	<del>624</del> <u>634</u>	1	29	30	71
230	HTPCS72	209423 10/30/97	Uni-ZAP XR	<del>383</del> <u>386</u>	1598	306	1598	530	530	<del>767</del> <u>780</u>	1	29	30	71
231	HTPH83	PTA-871 10/26/99	Uni-ZAP XR	241	1481	1	1481	118	118	<del>625</del> <u>635</u>	1	24	25	230

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231	HTPIH83	PTA-871 10/26/99	Uni-ZAP XR	<del>384</del> <u>387</u>	530	1	530	111	111	<del>768</del> <u>781</u>	1	24	25	140
231	HTPIH83	PTA-871 10/26/99	Uni-ZAP XR	<del>385</del> <u>388</u>	1046	359	1046		96	<del>769</del> <u>782</u>	1	1	2	86
232	HTSEW17	209138 07/03/97	pBluescript	242	652	1	652	170	170	<del>626</del> <u>636</u>	1	34	35	37
233	HTTB176	209641 02/25/98	Uni-ZAP XR	243	1711	1	1711	133	133	<del>627</del> <u>637</u>	1	22	23	133
234	HTTBS64	PTA-841 10/13/99	Uni-ZAP XR	244	2058	1	2058	95	95	<del>628</del> <u>637</u>	1	17	18	42
234	HTTBS64	PTA-841 10/13/99	Uni-ZAP XR	<del>386</del> <u>389</u>	819	1	819	100	100	<del>770</del> <u>783</u>	1	17	18	42
234	HTTBS64	PTA-841 10/13/99	Uni-ZAP XR	<del>387</del> <u>390</u>	501	1	501		175	<del>774</del> <u>784</u>	1	1	2	76
235	HTWKE60	209651 03/04/98	Lambda ZAP II	245	407	1	407	185	185	<del>629</del> <u>639</u>	1	25	26	44
236	HTXAJ12	209423 10/30/97	Uni-ZAP XR	246	675	1	675	91	91	<del>630</del> <u>640</u>	1	18	19	111
236	HTXAJ12	209423 10/30/97	Uni-ZAP XR	<del>388</del> <u>391</u>	675	1	675	91	91	<del>772</del> <u>785</u>	1	18	19	111
237	HTXJM03	209580 01/14/98	Uni-ZAP XR	247	2398	211	2398	328	328	<del>631</del> <u>641</u>	1	18	19	56
238	HTXKF95	PTA-622 09/02/99	Uni-ZAP XR	248	975	170	966	421	421	<del>632</del> <u>642</u>	1	28	29	78
238	HTXKF95	PTA-622 09/02/99	Uni-ZAP XR	<del>389</del> <u>392</u>	884	79	875	330	330	<del>773</del> <u>786</u>	1	28	29	78

Gene No.	cDNA Clone ID	ATCC Deposit No./Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
239	HTXON32	203648 02/09/99	Uni-ZAP XR	249	1505	1	1505	72	72	<del>633</del> <u>643</u>	1	22	23	52
240	HUFCJ30	209641 02/25/98	pSport1	250	868	1	868	123	123	<del>634</del> <u>644</u>	1	29	30	50
241	HUVEB53	209603 01/29/98	Uni-ZAP XR	251	1502	1	1502	14	14	<del>635</del> <u>645</u>	1	20	21	45
242	HWAAD63	203570 01/11/99	PCMVSPORT 3.0	252	3308	1	3308	322	322	<del>636</del> <u>646</u>	1	30	31	168
242	HWAAD63	203570 01/11/99	PCMVSPORT 3.0	<del>390</del> <u>393</u>	3306	1	3306	322	322	<del>774</del> <u>787</u>	1	30	31	53
242	HWAAD63	203570 01/11/99	PCMVSPORT 3.0	<del>394</del> <u>394</u>	2194	1	2194	312	312	<del>775</del> <u>788</u>	1	30	31	169
243	HWADJ89	PTA-1543 03/21/00	PCMVSPORT 3.0	253	1769	529	1769	581	581	<del>637</del> <u>647</u>	1	1	2	43
244	HWBCP79	209641 02/25/98	PCMVSPORT 3.0	254	1138	1	1138	243	243	<del>638</del> <u>648</u>	1	21	22	105
244	HWBCP79	209641 02/25/98	PCMVSPORT 3.0	<del>392</del> <u>395</u>	1138	1	1138	233	233	<del>776</del> <u>789</u>	1	21	22	105
245	HWBEM18	PTA-868 10/26/99	PCMVSPORT 3.0	255	6729	1	6729	75	75	<del>639</del> <u>649</u>	1	25	26	1887
245	HWBEM18	PTA-868 10/26/99	PCMVSPORT 3.0	<del>393</del> <u>396</u>	3599	1	3599	65	65	<del>777</del> <u>790</u>	1	25	26	886
245	HWBEM18	PTA-868 10/26/99	PCMVSPORT 3.0	<del>394</del> <u>397</u>	2924	1	2496		1	<del>778</del> <u>791</u>	1	1	2	498
246	HWBFX31	PTA-1543 03/21/00	PCMVSPORT 3.0	256	1677	1	1677	271	271	<del>640</del> <u>650</u>	1	1	2	52

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	Vector	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
247	HWHGZ51	PTA-499 08/11/99	pCMVSPORT 3.0	257	1699	1	1699	33	33	644 651	1	30	31	346
248	HWTBK81	209138 07/03/97	Uni-ZAP XR	258	637	78	635	139	139	642 652	1	23	24	155
249	HAGA185	97922 03/07/97 209070 05/22/97	Uni-ZAP XR	259	1752	52	1752	166	166	653	1	23	24	30
250	HOFOC33	PTA-848 10/13/99	pCMVSPORT 2.0	260	1669	1	1669	76	76	654	1	21	22	363
251	HSDEZ20	209852 05/07/98	Uni-ZAP XR	261	795	1	795	58	58	655	1	41	42	122